**Differential Equations**

1.  and y = 2 when x = 1

2.  and y = 2 when x = 2

3.  and y = 3 wjen x = 0

4.  and y = 1 when x = 0

5.  and y = 0 when x = 0

6.  and y = 2 when x = 0

7.  and y = .25 when x = 1

8.  and y = 1 when x = e

9.  initial condition : y(0) = 4

10.  initial condition : y(1) = 4

11.  initial condition : y(-2) = 1

12.  initial condition : y(1) = 2